

Special Issue

Applications of Molecular Spectroscopy in Agri-Food Science and Manufacturing Processes

Message from the Guest Editors

The various methods of molecular spectroscopy (UV-VIS, NIR, hyperspectral techniques, Raman, etc.) offer a wide range of possibilities, from the quantitative study of physicochemical and chemical properties to the structural investigation of molecules. This broad applicability also means that spectroscopy used in almost all scientific fields (agriculture, food, medicine, diagnostics, etc.), complemented by the science of chemometrics, which is essential for data processing.

This Special Issue on “Application of Molecular Spectroscopy in Agricultural and Food Sciences” seeks high-quality works focusing on the field of agriculture and food science. Topics include, but are not limited to:

- Applications of molecular spectroscopy in quality assurance;
- Advanced analytical techniques for monitoring agricultural products, food raw materials, and finished food products;
- New food testing advances (e.g., insect fortified foods);
- Relationship between UV/VIS, NIR, etc. techniques and chemometrics;
- Recent applications of molecular spectroscopy;
- Monitoring manufacturing processes using advanced molecular spectroscopy techniques;
- Adulteration and origin identification.

Guest Editors

Dr. Marietta Fodor

Dr. Zoltan Kovacs

Dr. John-Lewis Zinia Zaukuu

Deadline for manuscript submissions

closed (10 May 2023)



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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto
Department of Drug Science and Technology, University of Turin, Via P.
Giuria 9, 10125 Turin, Italy

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